

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) An antenna arrangement for use with a reflector, comprising:

at least two first and second antenna element systems, the first antenna element system comprising, each having at least one plural antenna elements, the second antenna element system comprising plural antenna elements, the first antenna element system having a radiation pattern with a main lobe, the second antenna element system having a radiation pattern with a main lobe,

the at least two first and second antenna element systems being arranged in front of the reflector with an offset with respect to one another in the horizontal and/or vertical direction in front of the reflector,

the at least two first and second antenna element systems transmitting and receiving in at least one polarization plane,

wherein:

the at least two first and second antenna element systems are arranged and/or fed such that the main lobe of the first antenna element system and the main lobe of the second antenna element system include have an angle there between, and

the antenna arrangement further comprises a network via which the first antenna element system and the second antenna element system can be supplied with signals whose having intensities are set differently relative to one another, to provide a different angular transmission direction for the antenna arrangement by

superimposition of the first antenna element system main lobes of the at least two and the second antenna element systems system main lobe,

wherein both the first and second antenna element systems comprise antenna elements which transmit and/or receive with the same polarization, and

wherein the plural antenna elements of the first antenna element system and the plural antenna elements of the second antenna element system are alternately arranged interleaved with one another with a vertical offset and/or a horizontal offset.

2. (currently amended) Antenna arrangement according to Claim 1, wherein the two first and second antenna element systems are arranged vertically one above the other.

3. (currently amended) Antenna arrangement according to Claim 1, wherein the at least two first and second antenna element systems are arranged with a horizontal offset with respect to one another.

4. (currently amended) Antenna arrangement according to claim 1, wherein the antenna arrangement radiation pattern has a main lobe, and the antenna arrangement further comprising comprises at least two columns, with the at least two first and second antenna element systems being arranged one above the other in each column, the alignment direction of said antenna arrangement radiation pattern main lobe, which is produced by superimposition, of the antenna arrangement being adjustable in the elevation and azimuth directions.

5. (previously presented) Antenna arrangement according to claim 1, wherein the network comprises a hybrid circuit and a phase shifter arrangement, the phase shifter arrangement allowing a signal with the same intensity but at a different phase

angle to be supplied to the inputs of the hybrid circuit such that a signal at the same phase angle but with the different intensity is produced.

6. (previously presented) Antenna arrangement according to claim 5, wherein the phase shifter arrangement comprises a difference phase shifter.

7. (previously presented) Antenna arrangement according to claim 5, wherein the phase shifter arrangement comprises an arrangement with line paths of different length.

8. (Cancelled)

9. (Cancelled)

10. (currently amended) Antenna arrangement according to Claim 9~~1~~, wherein the distance between the individual interleaved antenna elements is substantially half the wavelength of an operating frequency of the antenna arrangement.

11. (currently amended) Antenna arrangement according to claim 1, wherein the ~~at least two antenna element systems have at least two antenna elements which are arranged interleaved with one another and alternately as antenna elements are~~ arranged in a plane, in two directions that are at an angle to one another, in two directions that are at right angles to one another, the antenna arrangement radiation pattern has a main lobe obtained by superposition of said first antenna element system main lobe and said second antenna element system main lobe, and the network allows the antenna arrangement radiation pattern main lobe to be aligned in space by means of a combination of vertical and horizontal control.